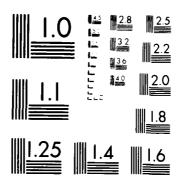
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AFRAPT TRAINEE PROGRAM

Written by:

Irvin Glassman

Professor

AFRAPT Representative

School of Engineering
Department of Mechanical and Aerospace Engineering
Princeton University
Princeton, NJ 08544

September 1987

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opulsion Technology (AFRAPT) trainees

Three Air Force Research in Aero Propulsion Technology (AFRAPT) trainees were in residence as graduate students at Princeton University for the academic year 1986-87. They were Mr. Christopher Kappelmeier, Mr. David M. Konopka and Mr. Jeffrey L. Emdee.

Mr. Kappelmeier spent his initial summer at General Electric Co. in Cincinnati, Mr. Konopka has spent two summers at Pratt and Whitney in East Hartford and Mr. Emdee at United Technologies Research Center, also in East Hartford.

Mr. Kappelmeier completed two academic years at Princeton. He was recently awarded the M.S.E. degree and submitted a thesis entitled, "Study of the Liquid Behavior in a Pre-filming Air-blast Atomizer". The work was performed under the direction of Prof. F. Bracco. Mr. Konopka is now working under the direction of Prof. S.H. Lam and directing his research attention to problems related to the solution of complex chemical kinetic mechanisms of mustion processes. Mr. Emdee's research topic is the oxidation of aromatic fuels, and he is working under the direction of Prof. I. Glassman.

Mr. Kappelmeier accepted a position at AVCO-Lycoming in Connecticut and will be working on gas turbines. Thus the objective of the AFRAPT program has been nicely met. Amr. Robert J. Lawson accepted a new appointment as an AFRAPT trainee at Princeton and spent the summer at Pratt and Whitney in East Hartford. His efforts at Princeton will be under the direction of Prof. F.L. Dryer and he will work on a problem related to the combustion of heavy fuels.

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